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L3	map$4 and (SQL or ("Structured Query Language")) and ("general computer language programming call") and ("Enterprise Java Bean") and ("brdige map creating converting")	0	L3
L2	map$4 and ("Structured Query Language") and ("general computer language programming call") and ("computer application") and ("Enterprise Java Bean") and ("brdige map creating converting")	0	L2
L1	map$4 same ("Structured Query Language") same call same ("general computer language programming call") same ("computer application") same ("Enterprise Java Bean") same ("brdige map creating converting")	0	L1

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Terms	Documents
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L3	map$4 and (SQL or ("Structured Query Language")) and ("general computer language programming call") and ("Enterprise Java Bean") and ("brdige map creating converting")	0	L3
L2	map$4 and ("Structured Query Language") and ("general computer language programming call") and ("computer application") and ("Enterprise Java Bean") and ("brdige map creating converting")	0	L2
L1	map$4 same ("Structured Query Language") same call same ("general computer language programming call") same ("computer application") same ("Enterprise Java Bean") same ("brdige map creating converting")	0	L1

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Search Results -

Terms	Documents
map$4 and ("Structured Query Language") and ("general computer language programming call") and ("computer application") and ("Enterprise Java Bean") and ("brdige map creating converting")	0

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L2

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L2	map$4 and ("Structured Query Language") and ("general computer language programming call") and ("computer application") and ("Enterprise Java Bean") and ("brdige map creating converting")	0	L2
L1	map$4 same ("Structured Query Language") same call same ("general computer language programming call") same ("computer application") same ("Enterprise Java Bean") same ("brdige map creating converting")	0	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
map$4 same ("Structured Query Language") same call same ("general computer language programming call") same ("computer application") same ("Enterprise Java Bean") same ("brdige map creating converting")	0

Database:

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L1	map$4 same ("Structured Query Language") same call same ("general computer language programming call") same ("computer application") same ("Enterprise Java Bean") same ("brdige map creating converting")	0	L1

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1 Using CORBA and JDBC to produce three tier systems
Barry Cornelius
April 1998 **ACM SIGPLAN Notices**, Volume 33 Issue 4
Full text available: 📄 pdf(748.48 KB)   Additional Information: full citation, index terms

2 Middleware: a model for distributed system services
Philip A. Bernstein
February 1996 **Communications of the ACM**, Volume 39 Issue 2
Full text available: 📄 pdf(238.25 KB)   Additional Information: full citation, references, citings, index terms

3 Early performance testing of distributed software applications
Giovanni Denaro, Andrea Polini, Wolfgang Emmerich
January 2004 **ACM SIGSOFT Software Engineering Notes , Proceedings of the fourth international workshop on Software and performance**, Volume 29 Issue 1
Full text available: 📄 pdf(1.18 MB)   Additional Information: full citation, abstract, references

Performance characteristics, such as response time, through put and scalability, are key quality attributes of distributed applications. Current practice, however, rarely applies systematic techniques to evaluate performance characteristics. We argue that evaluation of performance is particularly crucial in early development stages, when important architectural choices are made. At first glance, this contradicts the use of testing techniques, which are usually applied towards the end of a projec ...

Keywords: distributed software architecture, middleware, performance analysis models, software performance, software testing

4 Modeling methodology a: Simulation of large scale networks II: development of an internet backbone topology for large-scale network simulations
Michael Liljenstam, Jason Liu, David M. Nicol

December 2003 **Pr ceedings f the 35th c nference n Winter simulati n: driving inn vati n**

Full text available: 📄 pdf(180.57 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

A number of network simulators are now capable of simulating systems with millions of devices, at the IP packet level. With this ability comes a need for realistic network descriptions of commensurate size. This paper describes our effort to build a detailed model of the U.S. Internet backbone based on measurements taken from a variety of mapping sources and tools. We identify key attributes of a network design that are needed to use the model in a simulation, describe which components are av ...

5 <u>P1: "Yes, but does it scale?": practical considerations for database-driven information systems</u>

John Russell
October 2001 **Proceedings of the 19th annual international conference on Computer documentation**

Full text available: 📄 pdf(231.31 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper explores the process of designing and implementing a database-driven system of online documentation, and putting it live on the web for customers to use. Using real-life examples, it discusses practical considerations for balancing performance, scalability, and reliability.

Keywords: Oracle, automation, categorization, database, performance, reliability, scalability, web services

6 <u>Wrap-and-pack: a new paradigm for beta structural motif recognition with application to recognizing beta trefoils</u>

Matthew Menke, Eben Scanlon, Jonathan King, Bonnie Berger, Lenore Cowen
March 2004 **Proceedings of the eighth annual international conference on Computational molecular biology**

Full text available: 📄 pdf(379.53 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A method is presented that uses β-strand interactions at both the sequence and the atomic level, to predict the beta-structural motifs in protein sequences. A program called *Wrap-and-Pack* implements this method, and is shown to recognize β-trefoils, an important class of globular β-structures, in the Protein Data Bank with 92% specificity and 92.3% sensitivity in cross-validation. It is demonstrated that *Wrap-and-Pack* learns each of the ten known SCOP β-trefoil ...

Keywords: beta structures, beta trefoils, motif recognition, protein structure prediction, rotamer libraries, threading

7 <u>Graphical database browsing</u>

Michael Caplinger
December 1986 **ACM SIGOIS Bulletin , Proceedings of the third ACM-SIGOIS conference on Office automation systems**, Volume 7 Issue 2-3

Full text available: 📄 pdf(877.44 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The knowledge stored in the information networks of the near future will not resemble that in today's conventional database systems. Instead, systems will look more like electronic libraries, with millions of items in many different media and with widely varying formats and levels of detail. Using foreseeable searching mechanisms, the results of queries will often be

very coarse, containing a large fraction of all the items in storage. To make up for this coarseness, users must be able to < ...

8 <u>Distributed hypertext for collaborative research: the virtual notebook system</u>
F. M. Shipman, R. J. Chaney, G. A. Gorry
November 1989 **Pr ceedings f the sec nd annual ACM c nference n Hypertext**

Full text available: pdf(637.29 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

9 <u>Faster genome annotation of non-coding RNA families without loss of accuracy</u>
Zasha Weinberg, Walter L. Ruzzo
March 2004 **Proceedings of the eighth annual international conference on Computational molecular biology**

Full text available: pdf(191.91 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Non-coding RNAs (ncRNAs) are functional RNA molecules that do not code for proteins. Covariance Models (CMs) are a useful statistical tool to find new members of an ncRNA gene family in a large genome database, using both sequence and, importantly, RNA secondary structure information. Unfortunately, CM searches are slow. This paper shows how to make CMs faster while provably sacrificing none of their accuracy. Specifically, based on the CM, our software builds a profile hidden Markov model (HMM) ...

Keywords: covariance models, gene families, genome annotation, histone downstream element, hyperthermophile archaea snoRNA, iron response element, non-coding RNA, profile hidden Markov models, rigorous filter

10 <u>Creating 3D oceanographic data visualizations for the web</u>
Michael P. McCann
February 2002 **Proceeding of the seventh international conference on 3D Web technology**

Full text available: pdf(299.57 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In 1999 the Monterey Bay Aquarium Research Institute (MBARI) began a project to create 3D visualizations for each of its Remotely Operated Vehicle (ROV) dives in the deep waters of the ocean. The goal was to synthesize various ROV-generated data sets for visualization in a common, compelling, efficient, and easy-to-use system. Integrating these visualizations into the Institute's database of dive information is a key component that helps make the data more understandable and useful. The architec ...

Keywords: GeoVRML, ROV, VRML, Web3D, databases, exploration, marine geology, oceanography, scientific visualization, underwater

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1 Session 12: languages and runtime libraries: Communication and memory requirements as the basis for mapping task and data parallel programs
Jaspal Subhlok, David R. O'Hallaron, Thomas Gross, Peter A. Dinda, Jon Webb
November 1994 **Proceedings of the 1994 ACM/IEEE conference on Supercomputing**

Full text available: 📄 pdf(1.10 MB)   Additional Information: full citation, abstract, references

For a wide variety of applications, both task and data parallelism must be exploited to achieve the best possible performance on a multicomputer. Recent research has underlined the importance of exploiting task and data parallelism in a single compiler framework, and such a compiler can map a single source program in many different ways onto a parallel machine. The tradeoffs between task and data parallelism are complex and depend on the characteristics of the program to be executed, most signif ...

2 Functional multiple-output decomposition with application to technology mapping for lookup table-based FPGAs
Bernd Wurth, Ulf Schlichtmann, Klaus Eckl, Kurt J. Antreich
July 1999 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**,
Volume 4 Issue 3

Full text available: 📄 pdf(277.61 KB)   Additional Information: full citation, abstract, references, citings, index terms

Functional decomposition is an important technique for technology mapping to look up table-based FPGA architectures. We present the theory of and a novel approach to functional disjoint decomposition of multiple-output functions, in which common subfunctions are extracted during technology mapping. While a Boolean function usually has a very large number of subfunctions, we show that not all of them are useful for multiple-output decomposition. We use a partition of the set of bo ...

Keywords: Boolean functions, FPGA technology, TOS, assignable functions, computer-aided design of VLSI, decomposition, implicit BDD-based methods, mapping synthesis, multiple-output decomposition, preferable functions, subfunction sharing gain, subfunction sharing potential, variable partitioning for decomposition

3

Mapping the genome: some combinatorial problems arising in molecular biology

Richard M. Karp

June 1993 **Pr ceedings f the twenty-fifth annual ACM symp sium on The ry f c mputing**

Full text available: pdf(870.20 KB)   Additional Information: full citation, references, citings, index terms

4 An algorithm to support code-skeleton generation for concurrent systems

Maria Heloisa Penedo, Daniel M Berry, Gerald Estrin

March 1981 **Proceedings of the 5th international conference on Software engineering**

Full text available: pdf(841.67 KB)   Additional Information: full citation, abstract, references, citings, index terms

Computers are increasingly being used in engineering systems which could utilize a multiplicity of processors. Computer aided design methods are needed to support the design of inherently complex concurrent software. UCLA's SARA (System ARchitects Apprentice) is a design environment which provides computer aid to both hardware and software design of concurrent systems. This paper focusses on an improved capability to aid software design. This capability is provided by defining a Module Inte ...

Keywords: Code-skeletons, Computer-aided design, Instantiations, Modeling tools, Modules

5 A new model for integrated nested task and data parallel programming

Jaspal Subhlok, Bwolen Yang

June 1997 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN symposium on Principles and practice of parallel programming**, Volume 32 Issue 7

Full text available: pdf(1.27 MB)   Additional Information: full citation, abstract, references, citings, index terms

High Performance Fortran (HPF) has emerged as a standard language fordata parallel computing. However, a wide variety of scientific applications are best programmed by a combination of task and data parallelism. Therefore, a good model of task parallelism is important for continued success of HPF for parallel programming. This paper presents a task parallelism model that is simple, elegant, and relatively easy to implement in an HPF environment. Task parallelism is exploited by mechanisms for di ...

6 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available: pdf(7.38 MB)   Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

7 Using PARLAY APIs over a SIP system in a distributed service platform for carrier grade multimedia services

Rudolf Pailer, Johannes Stadler, Igor Miladinovic

July 2003 **Wireless Networks**, Volume 9 Issue 4

Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, index terms

The implementation of new mobile communication technologies developed in the third generation partnership project (3GPP) will allow to access the Internet not only from a PC but also via mobile phones, palmtops and other devices. New applications will emerge, combining several basic services like voice telephony, e-mail, voice over IP, mobility or web-browsing, and thus wiping out the borders between the fixed telephone network, mobile radio and the Internet. Offering those value-added services ...

Keywords: SIP-Parlay mapping, caller preferences, carrier grade services, network-independent services, service platform

8 Models and languages for parallel computation

David B. Skillicorn, Domenico Talia
June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Full text available: pdf(298.05 KB)   Additional Information: full citation, abstract, references, citings, index terms

We survey parallel programming models and languages using six criteria to assess their suitability for realistic portable parallel programming. We argue that an ideal model should by easy to program, should have a software development methodology, should be architecture-independent, should be easy to understand, should guarantee performance, and should provide accurate information about the cost of programs. These criteria reflect our belief that developments in parallelism must be driven b ...

Keywords: general-purpose parallel computation, logic programming languages, object-oriented languages, parallel programming languages, parallel programming models, software development methods, taxonomy

9 The use of a Module Interconnection Language in the SARA system design methodology

Maria Heloisa Penedo, Daniel M. Berry
September 1979 **Proceedings of the 4th international conference on Software engineering**

Full text available: pdf(1.05 MB)   Additional Information: full citation, abstract, references, citings, index terms

In software design it is highly desirable to be able to deal with the structures of both the algorithm and the record of execution. A design methodology called SARA is being developed at UCLA. SARA's models are able to deal with the record of execution structure. This paper proposes the addition of a Module Interconnection Language to enable SARA to deal with the algorithm structure. An example illustrates how this combination can assist in the ...

Keywords: Algorithm, MIL, Modeling, Module interconnection, Realization, Record of execution, Software design

10 A service framework for carrier grade multimedia services using PARPLAY APIs over a SIP system

Rudolf Pailer, Johannes Stadler
July 2001 **Pr ceedings f the first w rksh p n Wireless m bile internet**

Full text available: pdf(713.19 KB)   Additional Information: full citation, abstract, references, index terms

The implementation of new mobile communication technologies developed in the third generation partnership project (3GPP) will allow to access the Internet not only from a PC but also via mobile phones, palmtops and other devices. New applications will emerge,

combining several basic services like voice telephony, e-mail, voice over IP, mobility or web-browsing, and thus wiping out the borders between the fixed telephone network, mobile radio and the Internet. Offering those value-added s ...

Keyw rds: SIR-PARLAY mapping, caller preferences, carrier grade services, network-independent services, service platform

11 Verifying Security

Maureen Harris Cheheyl, Morrie Gasser, George A. Huff, Jonathan K. Millen
September 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 3

Full text available: pdf(4.68 MB)   Additional Information: full citation, references, citings, index terms

12 An example-based mapping method for text categorization and retrieval

Yiming Yang, Christopher G. Chute
July 1994 **ACM Transactions on Information Systems (TOIS)**, Volume 12 Issue 3

Full text available: pdf(1.78 MB)   Additional Information: full citation, abstract, references, citings, index terms

A unified model for text categorization and text retrieval is introduced. We use a training set of manually categorized documents to learn word-category associations, and use these associations to predict the categories of arbitrary documents. Similarly, we use a training set of queries and their related documents to obtain empirical associations between query words and indexing terms of documents, and use these associations to predict the related documents of arbitrary queries. A Linear Le ...

Keywords: document categorization, query categorization, statistical learning of human decisions

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1 **Query evaluation techniques for large databases**   ☐
Goetz Graefe
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Full text available: 🗐 pdf(9.37 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

2 **Tools and approaches for developing data-intensive Web applications: a survey**   ☐
Piero Fraternali
September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available: 🗐 pdf(524.80 KB)   Additional Information: full citation, abstract, references, citings, index terms

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

Keyw rds: HTML, Intranet, WWW, application, development

3 An analysis of geometric modeling in database systems

Alfons Kemper, Mechtild Wallrath
March 1987 **ACM C mputing Surveys (CSUR),** Volume 19 Issue 1

Full text available: pdf(2.95 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The data-modeling and computational requirements for integrated computer aided manufacturing (CAM) databases are analyzed, and the most common representation schemes for modeling solid geometric objects in a computer are described. The *primitive instancing* model, the *boundary representation,* and the *constructive solid geometry* model are presented from the viewpoint of database representation. Depending on the representation scheme, one can apply geometric transformation ...

4 Object-oriented computer architectures for new generation of applications

Ramesh K. Karne
December 1995 **ACM SIGARCH Computer Architecture News,** Volume 23 Issue 5

Full text available: pdf(1.08 MB)   Additional Information: full citation, abstract, index terms

Since the inception of von-Neumann architecture for computer design, there has been no new paradigms or revolutions in computer architectures. Computer applications have been increasing at an exponential rate, however, the basic computer architectures remained the same. The conventional computer architectures, which are based on primitive building blocks including arithmetic logic units, floating point processor units, logical shift units, and register file units created tremendous ...

5 Technique for automatically correcting words in text

Karen Kukich
December 1992 **ACM Computing Surveys (CSUR),** Volume 24 Issue 4

Full text available: pdf(6.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

6 SYNGLISH - a high level query language for the RAP database machine

Tamer M. Ozso, Esen A. Ozkarahan
March 1980 **Proceedings of the fifth workshop on Computer architecture for non-numeric processing**

Full text available: pdf(984.48 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes a high-level query language developed and implemented for the RAP database machine. The language, called SYNGLISH, is based on the semantic structure of the English sentences. The software system developed accepts SYNGLISH queries and produces RAP assembler code which is then executed by the RAP software emulator.

Keyw rds: Database machines, Relational model, Semantic predication analysis, Synthetic

english, Very-high-level query language

7 <u>Direct spatial search on pictorial databases using packed R-trees</u> ☐
Nick Roussopoulos, Daniel Leifker
May 1985 **ACM SIGMOD Rec rd , Pr ceedings f the 1985 ACM SIGMOD internati nal conference on Management of data**, Volume 14 Issue 4
Full text available: 📄 <u>pdf(1.26 MB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

8 <u>Versioning and fragmentation: Fine-grained, structured configuration management for web projects</u> ☐
Tien Nhut Nguyen, Ethan Vincent Munson, Cheng Thao
May 2004 **Proceedings of the 13th international conference on World Wide Web**
Full text available: 📄 <u>pdf(698.15 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Researchers in Web engineering have regularly noted that existing Web application development environments provide little support for managing the evolution of Web applications. Key limitations of Web development environments include line-oriented change models that inadequately represent Web document semantics and in ability to model changes to link structure or the set of objects making up the Webapplication. Developers may find it difficult to grasp how theoverall structure of the Web applica ...

Keywords: software configuration management, version control, web engineering

9 <u>The human-computer interface in information systems design: An investigation of the roles of individual differences and user interface on database usability</u> ☐
Steven S. Curl, Lorne Olfman, John W. Satzinger
December 1998 **ACM SIGMIS Database**, Volume 29 Issue 1
Full text available: 📄 <u>pdf(1.53 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This research seeks to understand to what extent leveraging the graphical user interface's ability to convey spatial information can improve a user's ability to write effective database queries. This capability is believed to be especially important when nontechnical individuals, with diverse backgrounds and cognitive abilities, are expected to interact directly with these systems in the query formulation process.This study makes use of recent developments in graphical user interface technology ...

Keywords: computer-human interaction, database queries, end-user computing, spatial representation, visualization ability

10 <u>Panel on early experiences with Ada 9x program organization</u> ☐
Randal Brukardt
October 1993 **Proceedings of the conference on TRI-Ada '93**
Full text available: 📄 <u>pdf(413.25 KB)</u>   Additional Information: <u>full citation</u>, <u>index terms</u>

11 <u>Virtual database technology</u> ☐
Ashish Gupta, Venky Harinarayan, Anand Rajaraman
December 1997 **ACM SIGMOD Rec rd**, Volume 26 Issue 4
Full text available: 📄 <u>pdf(400.13 KB)</u>   Additional Information: <u>full citation</u>, <u>citings</u>, <u>index terms</u>

12 <u>VIRTUS: a collaborative multi-user platform</u>

Kurt Saar

February 1999 **Pr ceedings f the f urth symp sium n Virtual reality m deling language**

Full text available: pdf(4.09 MB) Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: VRML, VRML event model, architecture construction engineering (ACE), collaborative virtual environment (CVE), computer supported collaborative work (CSCW), dead reckoning, distributed environments, living worlds, multi-user technologies, virtual environments, virtual worlds

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